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2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	16
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GAMING DEVICE HAVING FREE GAME BONUS WITH A CHANGING MULTIPLIER

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CROSS REFERENCE TO RELATED APPLICATIONS

This application is related to the following commonly-owned co-
pending patent applications: "Gaming Device Having Multiple Award
10 Enhancing Levels," Serial No. 09/626,720, Attorney Docket No.
0112300-016; "Gaming Device Having Separately Changeable Value
And Modifier Bonus Scheme," Serial No. 09/626,045, Attorney Docket
No. 0112300-010; "Gaming Device Having Multiple Award Enhancing
Levels," Serial No. 09/967,016, Attorney Docket No. 0112300-882;
15 "Gaming Device Having Multiple Award Enhancing Levels," Serial
No. 09/966,956, Attorney Docket No. 0112300-883; "Gaming Device
With Bonus Scheme Having Multiple Award Levels," Serial
No. 09/602,140, Attorney Docket No. 0112300-023.

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DESCRIPTION

The present invention relates in general to a gaming device, and more particularly to a gaming device having a free game bonus with a multiplier that changes for each free game.

BACKGROUND OF THE INVENTION

Gaming machine manufacturers constantly strive to make gaming machines that maximize enjoyment and excitement for players. Providing a bonus game in which a player has an opportunity to win potentially large awards or credits in addition to the awards associated with the base game of the gaming machine is one way to enhance player enjoyment and excitement.

Known gaming devices having bonus games employ a triggering event that occurs during play of the base game of the gaming device. The triggering event temporarily stalls or halts the base game play and enables a player to enter a second, different game, which is the bonus game. The player plays the bonus game, likely receives an award, and returns to the base game.

Bonus games that provide players with large awards or the potential to win large awards are especially attractive to players. One way that gaming device manufacturers provide larger or more frequently occurring awards in slot gaming machines is by providing free spins to a player. Several known games provide players a number of free spins at the beginning of the game and spin the reels to

obtain awards. This type of bonus game is described in European Patent Application No. EP 0874337A1 and European Patent No. EP 0984409A2. These games are generally versions of a "Spin Until" type bonus game.

5 EP 0874337A1 discloses a gaming device having a bonus game where the player spins a plurality of reels including several symbols. In the bonus game, if the player obtains a winning symbol combination on the reels, the player receives an award and spins again. The probability for obtaining a winning symbol combination on the reels is
10 greater than fifty percent. Therefore, a player will likely have multiple opportunities to spin the reels in the bonus game and to receive several awards. If the player does not obtain a winning symbol combination, the bonus game ends and the player receives the total accumulated awards for the bonus game. Thus, the player spins the
15 reels in the bonus game until they do not obtain a winning combination.

 EP 0984409A2 discloses a gaming device wherein the game enables the player to spin a plurality of reels having various symbols attempting to obtain awards. In this bonus game, the player starts the bonus game with a limited number of spins. The player spins the reels
20 until there are no spins remaining. The player receives an award after each spin. The final award in the bonus game is the total of all of the awards accumulated by the player in the game.

 Another way that gaming device manufacturers provide larger awards to players is by using multipliers. A multiplier increases the
25 award amount proportionally to the value of the multiplier. For

example, a "2X" multiplier pays twice the normal award value. A "3X" multiplier pays three times the normal award value. A multiplier can substantially increase a player's award. Some games also employ an incrementing multiplier as described in the following paragraphs.

5 United States Patent No. 6,004,207 discloses a slot machine that provides a multiplied payout when certain symbols or symbol combinations appear on the reels and a player bets the maximum amount of coins. This bonus game includes a plurality of reels including several symbols on the reels and a multiplier. The symbols
10 include multiplier symbols and Power Point symbols. Initially, the bonus game sets the multiplier at a predetermined level. The multiplier increments by one level when the player obtains ten Power Point symbols on the reels from one or more spins. After the multiplier increases in value, the player needs ten more Power Point symbols to
15 increment the multiplier again. The gaming device also enables a player to spin the reels to obtain a winning symbol combination. If the player obtains a winning combination, the gaming device provides the player with an award. If the winning combination includes a multiplier symbol, the award is multiplied by the multiplier. Once an award is
20 multiplied by the multiplier, the multiplier resets to a predetermined level.

Another type of bonus game that includes a multiplied payout is the "GOOD TIMES" gaming device which is manufactured by the assignee of this patent application. This game includes three reels
25 having a plurality of symbols and blank spaces. The symbols include a

plurality of "Good Times" symbols. The bonus includes two multiplier groups. A first multiplier group starts at "1X" (or one times the award) and goes up to "12X" (or twelve times the award). The second multiplier group starts at "1X" and goes up to "144X" (or one hundred
5 forty-four times the award). Each time a player spins the reels and obtains three blank spaces on a payline, the designated multiplier in each multiplier increments one level. When the player obtains a winning combination, the player receives an award. If a "Good Times" symbol appears in the winning combination, the player's award is
10 multiplied by the designated multiplier in the first bonus table. If two "Good Times" symbols appear in the winning combination, the player's award is multiplied by the designated multiplier in the second bonus group.

It should be appreciated that multipliers may substantially
15 elevate award returns and increase player excitement and enjoyment. Players enjoy playing for high bonus awards. Thus, it is desirable to have a bonus game of a gaming device that provides several opportunities to play a bonus game and has the potential to accumulate large awards.

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SUMMARY OF THE INVENTION

The present invention relates in general to a gaming device having a bonus game or scheme, and more particularly to a gaming device having a bonus game or scheme including a plurality of reels, a

plurality of symbols on the reels, a plurality of free spins of the reels and a plurality of multipliers associated with the free spins.

In one embodiment, the gaming device provides the player with a plurality of free spins of the reels in the bonus game. A multiplier is associated with each spin of the reels. The multiplier changes and preferably increases after each spin. The processor in the gaming device spins the reels and determines if the player obtains an award based on the combination of symbols on the reels. If the player obtains an award, the award is modified by the multiplier associated with that spin of the reels. In another embodiment, a consolation award is provided to the player if the player does not receive an award after a spin of the reels. In a further embodiment, an accumulated award is provided to the player after there are no spins remaining in the game. The accumulated award may include a plurality of the awards provided to the player or all of the awards provided to the player during the game.

In one embodiment, the multiplier increases by one after each spin. In other embodiments, the multiplier increases by more than one or as desired by the game implementor. In other embodiments, the increase of the multiplier is randomly determined. In one alternative embodiment, the multiplier increases after non-winning games.

In one embodiment, a plurality of reels having several symbols are displayed to a player. The multiplier is also displayed to the player. The player starts the game with a predetermined number of spins in the game. The number of spins may be determined randomly,

predefined or picked by playing a sub-game such as by having the player choose from a plurality of masked selections each having an associated number of spins. To start the bonus game, the processor spins or enables the player to initiate a spin of the reels attempting to
5 obtain an award based on a combination of symbols on the reels. If the player obtains an award, the award is modified by the related multiplier. In one embodiment, the multiplier starts at 1X for the first spin and increases with each spin. After each spin, the multiplier is incrementally increased by one. Therefore, each subsequent spin has
10 a larger multiplier. The player continues to spin the reels until there are no spins remaining.

In another embodiment, the gaming device provides the player with additional spins based upon the occurrence of one or more symbols on the reels.

15 In a further embodiment, the plurality of reels includes a plurality of symbols including at least one, and preferably a plurality of incrementor symbols. The multiplier changes and preferably increases (such as by one) each time the incrementor symbol appears on the display or on a payline associated with the reels. In another alternative
20 embodiment, if one or more incrementor symbols are displayed by the reels, the multiplier increases by the number of incrementor symbols that are displayed on the reels.

In one embodiment, the multiplier of the present invention is employed in a poker game. In another embodiment, the multiplier of
25 the present invention is employed in a keno game.

In one alternative embodiment, the multiplier is predetermined by the processor at the beginning of the bonus game. Then, the multiplier may increase by a predetermined amount or a random amount after each game.

5 In another alternative embodiment, the multiplier is randomly determined at the beginning of the bonus game and then randomly determined after each subsequent game. The processor or player may select the new multiplier. In one embodiment, the gaming device displays a plurality of player selectable selections to the player. The
10 selections are masked or hidden from the player and when selected, display a multiplier to the player. The multipliers are randomly associated with the selections. The player may pick one or a plurality of selections. In another embodiment, the selections are only displayed to the player after a specific symbol combination occurs on
15 the reels.

In one alternative embodiment, a light display is mounted to the gaming device and displays the multiplier to the player after the processor randomly selects the multiplier.

In another alternative embodiment, different increases of the
20 multiplier and different probabilities are associated with different incrementor symbols such that one incrementor symbol has a greater probability of appearing on the reels than another incrementor symbol.

In an alternative embodiment, there is a weighted probability of increasing the multiplier by more than one.

It is therefore an advantage of the present invention to provide a gaming device having a free game bonus with a multiplier that increments after each game.

Another advantage of the present invention to provide a gaming
5 device including a multiplier that increments after each game to provide larger awards to players.

Other objects, features and advantages of the invention will be apparent from the following detailed disclosure, taken in conjunction with the accompanying sheets of drawings, wherein like numerals refer
10 to like parts, elements, components, steps and processes.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1A is a front perspective view of one embodiment of the gaming device of the present invention.

Fig. 1B is a front perspective view of another embodiment of the gaming device of the present invention.

Fig. 2 is a schematic block diagram of the electronic configuration of one embodiment of the gaming device of the present invention.

Fig. 3 is an enlarged front elevation view of a display illustrating one embodiment of the present invention.

Figs. 4A to 4E are enlarged front elevation views of a display illustrating an example game of one embodiment of the present invention.

Figs. 5A to 5D are enlarged front elevation views of another embodiment of the present invention illustrating having one or more incrementor symbols.

DETAILED DESCRIPTION OF THE INVENTION

Gaming Device and Electronics

5 Referring now to the drawings, two embodiments of the gaming device of the present invention are illustrated in Figs. 1A and 1B as gaming device 10a and gaming device 10b, respectively. Gaming device 10a and/or gaming device 10b are generally referred to herein as gaming device 10. Gaming device 10 is, in one embodiment, a slot
10 machine having the controls, displays and features of a conventional slot machine. It is constructed so that a player can operate it while standing or sitting, and gaming device 10 is preferably mounted on a console or cabinet. However, it should be appreciated that gaming device 10 can be constructed as a pub-style table-top game (not
15 shown) which a player can operate preferably while sitting. Furthermore, gaming device 10 can be constructed with varying cabinet and display designs, as illustrated by the designs shown in Figs. 1A and 1B. Gaming device 10 can also be implemented as a program code stored in a detachable cartridge for operating a hand-
20 held video game device. Also, gaming device 10 can be implemented as a program code stored on a disk or other memory device which a player can use in a desktop or laptop personal computer or other computerized platform.

Gaming device 10 can incorporate any primary game such as
25 slot, poker, blackjack or keno, any of their bonus triggering events and any of the bonus round games. The symbols and indicia used on and

in gaming device 10 may be in mechanical, electronic, electrical or video form.

As illustrated in Figs. 1A and 1B, gaming device 10 includes a coin slot 12 and bill acceptor 14 where the player inserts money, coins or tokens. The player can place coins in the coin slot 12 or paper money or ticket vouchers in the bill acceptor 14. Other devices could be used for accepting payment such as readers or validators for credit cards or debit cards. When a player inserts money in gaming device 10, a number of credits corresponding to the amount deposited is shown in a credit display 16. After depositing the appropriate amount of money, a player can begin the game by pulling arm 18 or pushing play button 20. Play button 20 can be any play activator used by the player which starts any game or sequence of events in the gaming device.

As shown in Figs. 1A and 1B, gaming device 10 also includes a bet display 22 and a bet one button 24. The player places a bet by pushing the bet one button 24. The player can increase the bet by one credit each time the player pushes the bet one button 24. When the player pushes the bet one button 24, the number of credits shown in the credit display 16 decreases by one, and the number of credits shown in the bet display 22 increases by one.

A player may "cash out" and thereby receive a number of coins corresponding to the number of remaining credits by pushing a cash out button 26. When the player "cashes out," the player receives the coins in a coin payout tray 28. The gaming device 10 may employ

other payout mechanisms such as credit slips redeemable by a cashier or electronically recordable cards which keep track of the player's credits.

Gaming device 10 also includes one or more display devices.

- 5 The embodiment shown in Fig. 1A includes a central display device 30, and the alternative embodiment shown in Fig. 1B includes a central display device 30 as well as an upper display device 32. Gaming device 10 in one embodiment displays a plurality of reels 34, such as three to five reels 34 in mechanical or video form at one or more of the
- 10 display devices. However, it should be appreciated that the display devices can display any visual representation or exhibition, including but not limited to movement of physical objects such as mechanical reels and wheels, dynamic lighting and video images. A display device can be any viewing surface such as glass, a video monitor or screen, a
- 15 liquid crystal display or any other display mechanism. If the reels 34 are in video form, the display device for the video reels 34 is preferably a video monitor.

- Each reel 34 displays a plurality of indicia such as bells, hearts, fruits, numbers, letters, bars or other images or symbols which
- 20 preferably correspond to a theme associated with the gaming device 10. Furthermore, gaming device 10 preferably includes speakers 36 for making sounds or playing music.

- As illustrated in Fig. 2, the general electronic configuration of gaming device 10 preferably includes: a processor 38; a memory
- 25 device 40 for storing program code or other data; a central display

device 30; an upper display device 32; a sound card 42; a plurality of speakers 36; and one or more input devices 44. The processor 38 is preferably a microprocessor or microcontroller-based platform which is capable of displaying images, symbols and other indicia such as
5 images of people, characters, places, things and faces of cards. The memory device 40 can include random access memory (RAM) 46 for storing event data or other data generated or used during a particular game. The memory device 40 can also include read only memory (ROM) 48 for storing program code which controls the gaming device
10 so that it plays a particular game in accordance with applicable game rules and pay tables.

As illustrated in Fig. 2, the player preferably uses the input devices 44, such as pull arm 18, play button 20, the bet one button 24 and the cash out button 26 to input signals into gaming device 10. In
15 certain instances it is preferable to use a touch screen 50 and an associated touch screen controller 52 instead of a conventional video monitor display device. Touch screen 50 and touch screen controller 52 are connected to a video controller 54 and processor 38. A player can make decisions and input signals into the gaming device 10 by
20 touching touch screen 50 at the appropriate places. As further illustrated in Fig. 2, the processor 38 can be connected to coin slot 12 or bill acceptor 14. The processor 38 can be programmed to require a player to deposit a certain amount of money in order to start the game.

It should be appreciated that although a processor 38 and
25 memory device 40 are preferable implementations of the present

invention, the present invention can also be implemented using one or more application-specific integrated circuits (ASIC's) or other hard-wired devices, or using mechanical devices (collectively, and/or individually, referred to herein as a "processor"). Furthermore, 5 although the processor 38 and memory device 40 preferably reside on each gaming device 10 unit, it is possible to provide some or all of their functions at a central location such as a network server for communication to a playing station such as over a local area network (LAN), wide area network (WAN), Internet connection, microwave link, 10 and the like. The processor 38 and memory device 40 is generally referred to herein as the "computer" or "controller."

With reference to Figs. 1A, 1B and 2, to operate the gaming device 10 in one embodiment the player must insert the appropriate amount of money or tokens at coin slot 12 or bill acceptor 14 and then 15 pull the arm 18 or push the play button 20. The reels 34 will then begin to spin. Eventually, the reels 34 will come to a stop. As long as the player has credits remaining, the player can spin the reels 34 again. Depending upon where the reels 34 stop, the player may or may not win additional credits.

20 In addition to winning credits in this manner, gaming device 10 also gives players the opportunity to win credits in a bonus round. This type of gaming device 10 will include a program which will automatically begin a bonus round when the player has achieved a qualifying condition in the game. This qualifying condition can be a 25 particular arrangement of indicia on a display device. The gaming

device 10 may use a video-based central display device 30 to enable the player to play the bonus round. In one embodiment, the qualifying condition is a predetermined combination of indicia appearing on a plurality of reels 34. As illustrated in the five reel slot game shown in Figs. 1A and 1B, the qualifying condition could be the number seven appearing on three adjacent reels 34 along a payline 56. It should be appreciated that the present invention can include one or more paylines, such as payline 56, wherein the paylines can be horizontal, diagonal or any combination thereof.

Free Game Bonus

Referring now to Fig. 3, one embodiment of the present invention includes a plurality of reels 34a to 34e and one or more associated paylines 56 displayed by a video monitor 30 or 32 (Figs. 1A or 1B). Each reel 34 has a plurality of symbols A through F generally designated by numeral 100. It should be appreciated that the symbols may be any suitable symbol. A spin remaining display 102 initially indicates the number of free spins provided to the player by the processor to start the bonus game. The number of free spins or activations could be predetermined, randomly determined, or based on various factors such as the player's wager in the base game. Thereafter, the spins remaining display 102 indicates the number of free spins remaining in the bonus game. It should be appreciated that the player may be provided with additional free spins during a game,

where the free spins are based on the occurrence of one or more symbols on the reels.

The multiplier display 104 displays the multiplier associated with a particular free spin or activation of the reels. In one embodiment, the multiplier associated with each free spin increases by a predetermined amount. In another embodiment, the amount of the increase is an amount selected from a range greater than zero and less than ten after each free spin of the reels. In a further embodiment, the multiplier associated with each free spin increases by a random amount.

10 The award display 106 displays the total award, or the value of the accumulated awards, during the bonus game. The award value indicated by award display 106 at the end of a game is the award that the player receives for that bonus game.

Referring now to Figs. 4A through 4E, an example of this embodiment of the present invention is illustrated where the gaming device provides a player with five free spins and a "1X" multiplier to begin the bonus game. In this embodiment, the game starts with a "1X" multiplier. However, it should be appreciated that the game could start with any multiplier desired by the game implementor. It should also be appreciated that the starting multiplier could be randomly determined or based on another factor such as the player's wager in the primary game. It should be appreciated that any pay table or award table may be used in the bonus game. The pay table for this example is as follows: three of the same symbols along payline one awards twenty-five, four of the same symbols along payline one

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awards fifty, and five of the same symbols along payline one awards one hundred to a player. The bonus game is not limited to payline one and it should be appreciated that another payline or combination of paylines 56 may be used to trigger the bonus award.

5 In one embodiment, a consolation award is provided to the player if the player does not receive an award after a free spin. In one aspect of this embodiment, the consolation award is predetermined by the processor. In another aspect, the consolation award is randomly determined by the processor. In a further aspect of the present invention, the consolation award is based on the multiplier associated with each free spin of the reels.

In another embodiment, an accumulated award is provided to the player after there are no spins remaining in the game. The accumulated award is based on the awards, if any, provided to the player after each spin. The accumulated award may include a plurality of the awards provided to the player or all of the awards provided to the player.

The player starts the secondary or bonus game by spinning the reels. Fig. 4A illustrates the first spin by the player in the bonus game. In the first spin, the player obtained three "C" symbols 108 along payline one. According to the pay table described above, the player receives an award of twenty-five. Because the multiplier 110 is "1X" or multiplies the award value by one, the player's award for that spin remains twenty-five. The award value, twenty-five, is transferred to the award display 106 as illustrated in Fig. 4A. The player now has four

spins remaining as shown in spin display 102 as illustrated in Fig 4A. The processor increments the multiplier by one prior to the next free spin. The multiplier is "2X" for the next free spin.

Referring now to Fig. 4B, the player uses their second free spin
5 to spin the reels 34 in the bonus game. After spinning the reels, the player only obtained two "C" symbols and two "E" symbols on payline one. Because this combination of symbols is not an award combination, the player does not receive an award for this spin. Because the player did not obtain an award after the second spin, the
10 player's award total does not change as indicated by the award display 106. The player now has only three spins remaining in the bonus game as indicated by spin remaining display 102. The processor increments the multiplier prior to the next free spin. The multiplier is now "3X."

Referring to Fig. 4C, the multiplier 110 for this spin is "3X," or
15 three times an award value, as indicated by multiplier display 104. It should be appreciated that in this embodiment, the multiplier continues to increment by one after each spin, regardless of whether the player obtains an award or not. The multiplier may alternatively change as
20 discussed below. The player spins the reels 34 again and obtains four "B" symbols 112 along payline one. The four "B" symbols provide an award of fifty to the player. In addition, the award value, fifty, is multiplied by three because the multiplier for this spin is "3X." Thus, the player receives a total award of one hundred fifty for the third spin
25 in the bonus game. Furthermore, the award brings the player's total

award to one hundred seventy-five as shown in award display 106.

This spin shows how a player may accumulate much larger awards based on the incrementing multiplier even though some spins do not result in awards. The player has two free spins remaining as indicated
5 by spin remaining display 102. The gaming device increments the multiplier to "4X" prior to the next free spin.

Referring now to Fig. 4D, the potential award for this spin increases substantially because the multiplier 110 continues to increment after each spin. The multiplier is "4X" which will multiply any
10 award that the player receives for this spin by four. The player spins the reels 34, however, the player fails to obtain any award after this spin. The total award, one hundred seventy-five, remains unchanged as shown in award display 106 and the player has only one spin remaining in the bonus game. The gaming device increments the
15 multiplier 110 to "5X" before the next free spin.

Referring to Fig. 4E, the player spins the reels for the final time in the bonus game. On their final free spin in the bonus game, the player obtained five "D" symbols 114 along payline one. In this particular game, five identical symbols across payline one pays an
20 award of one hundred. Also, the multiplier is "5X" for this spin. Therefore, the award for this spin, one hundred, is multiplied by five to achieve a total award of five hundred for this spin. The award is added to the total award in award display 106 to give the player a final award total of six hundred seventy-five for the bonus game. The player does
25 not have any free spins remaining in the bonus game as indicated by

spin remaining display 102. Thus, the bonus game ends. The final spin in this bonus game illustrates how one spin can result in a very large award.

The above example illustrated in Figs. 4A to 4E, shows how the incremental effect of the multiplier 110 increases the level of player excitement and enjoyment in the bonus game. Potentially, a player might not obtain an award combination on any spin in the bonus game except for the last spin. Since the last spin has a larger multiplier than the previous spins, the player still will receive a large award. Therefore, the player's excitement builds as they progress further into the bonus game of the present invention because the potential for larger awards also builds based on the increasing multiplier.

In one embodiment of the present invention, the multiplier increments after each game, regardless of whether the player obtained a winning combination or not. Because the multiplier continues to increment even after non-winning combinations, the player still may obtain large awards in the bonus game, which increases the player's excitement and enjoyment of the game. For example, a bonus game begins with a multiplier of "1X" and increments by "1X" after each free spin. If a player does not obtain an award combination until the player's fourth free spin, the player still receives a large award because the multiplier in the fourth free spin is "4X."

In another embodiment of the present invention, the multiplier 110 increases by a predetermined amount that is greater than one after each free spin in the bonus game. For example, the multiplier begins a

bonus game at "1X" and increases by "2X" after each free spin of the reels. After the first spin the multiplier increases to "3X," after the second spin the multiplier increases to "5X" and so forth. It should be appreciated that the multiplier can also increase by a predetermined multiplication factor. For example, the multiplier can increase by two or double after each free spin. The multiplier starts the bonus game at "1X" then increases to "2X" after the first free spin, "4X" after the second free spin and so forth. In a further embodiment, the multiplier increases by a random amount after each free spin. The random amount is determined by the processor. In yet another embodiment, the multiplier increases by a predetermined amount after a predetermined number of free spins greater than one. In still a further embodiment of the present invention, the multiplier increases by a random amount after a random number of free spins as determined by the processor.

Referring now to Figs. 5A, 5B, and 5C, another embodiment of the present invention is illustrated where the multiplier 110 additionally or alternatively increments when a particular symbol 100 or a symbol combination appears on the reels or any payline 56 associated with the reels. It should be appreciated that the symbol could appear on a specific payline or in any other manner desired by the game implementor. In this embodiment, the reels include symbols A through F, plus incrementing symbols 116 designated by a cherry symbol in this example. It should be appreciated that the incrementor may be any suitable symbol desired by the game implementor. A player spins

the reels 34 attempting to obtain an award plus one or more incrementor symbols 116. The game may display player one incrementor at a time and accordingly increase the multiplier 110 by only one after a spin. However, it is contemplated that a player may
5 receive more than one incrementor in a spin. In one embodiment, the incrementors are associated with probabilities such that one incrementor symbol has a greater probability of appearing on the reels than two or more incrementor symbols. In one embodiment, the multiplier 110 increments only when an incrementor symbol appears on
10 a payline. In one alternative embodiment, there is a weighted probability of increasing the incrementor by more than one when an incrementor symbol is displayed.

In Fig. 5A, the bonus game begins with four spins as indicated by spins remaining display 102, a multiplier of "1X" as indicated by multiplier display 110, and a total award of zero as indicated by the
15 award display 106. In Fig. 5B, the gaming device or player spins the reels 34 and obtains an incrementor symbol 116, designated by a cherry symbol in this example, on payline one. The player does not obtain a winning symbol combination in this spin. Therefore, the total
20 award remains at zero as indicated by the award display 106 and the multiplier 110 increments by one from "1X" to "2X" as indicated by multiplier display 104. The multiplier remains "2X" until the player obtains another incrementor symbol on a payline.

Referring to Fig. 5C, the gaming device or player spins the reels
25 34 and does not obtain an incrementor symbol, or cherry symbol, on

payline one. Therefore, the multiplier 110 remains unchanged as indicated by the multiplier display 104. However, the player does obtain a winning symbol combination in this spin. The winning symbol combination is three "A" symbols 118 on payline one and provides an
5 award of twenty-five. Therefore, the award, twenty-five, is multiplied by the multiplier "2X" to obtain the total award of fifty as indicated by the award display 106. In this embodiment, only the award provided from a particular spin is multiplied by the multiplier for that spin.

In Fig. 5D, the gaming device or player spins the reels. The
10 player obtains three "A" symbols 118 along payline one. Also, the player obtained two incrementor symbols 116 on a payline in that spin. Thus, the multiplier 110 increments two times (for each incrementor symbol) or from "2X" to "4X." The player's award in the bonus game, twenty-five, is multiplied by four to achieve a total award for this spin of
15 one hundred. The player's new total award in the bonus game becomes one hundred fifty, as indicated by award display 106. The player will continue to spin the reels 34 until there are no spins remaining in the bonus game.

It should be appreciated that the present invention could be
20 employed in other games such as poker, blackjack, keno and other primary or secondary games.

While the present invention is described in connection with what is presently considered to be the most practical and preferred embodiments, it should be appreciated that the invention is not limited
25 to the disclosed embodiments, and is intended to cover various

modifications and equivalent arrangements included within the spirit and scope of the claims. Modifications and variations in the present invention may be made without departing from the novel aspects of the invention as defined in the claims, and this application is limited only by

5 the scope of the claims.